

Attachment to the Amendment using the conventional indication method of bracketing and underlining.

BT
1. (Amended) A display device having a pixel portion and a driver circuit portion on the same substrate,

wherein an active layer of a pixel TFT formed in said pixel portion has a low concentration impurity region, a channel forming region, and a high concentration impurity region which are formed between a source region and a drain region,

wherein said channel forming region and said high concentration impurity region are formed under a gate electrode, and

wherein said low concentration impurity region partially overlaps with said gate electrode with a gate insulating film interposed therebetween.

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2. (Amended) A device according to claim 1, wherein said low concentration impurity region contains an element that belongs to group XV in the periodic table at a concentration of 2×10^{16} to 5×10^{19} atoms/cm³, and said high concentration impurity region contains the element at a concentration of 5×10^{19} to 3×10^{21} atoms/cm³.

3. (Amended) A device according to claim 1, wherein a thickness of the gate insulating film of a TFT in said driver circuit portion is thinner than that of the gate insulating film of the pixel TFT.

4. (Amended) A device according to claim 1, wherein the gate insulating film of a TFT in said driver circuit portion and a dielectric of a storage capacitor formed in said pixel portion comprise the same material and have the same film thickness.

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5. (Amended) ~~An electronic equipment comprising a display device according to claim 1, wherein said electronic equipment is selected from the group consisting of a video~~

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camera, a digital camera, a projector, a projection TV, a goggle type displays, a navigation system, a sound reproduction device, a notebook type personal computer, a game machine, a portable information terminal, a mobile computer, a portable telephone, a portable game machine, an electronic books, and an image reproduction devices having recording medium.

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6. (Amended) A display device having a pixel portion and a driver circuit portion on the same substrate,

wherein an active layer of a pixel TFT formed in said pixel portion has a low concentration impurity region, a channel forming region, and a high concentration impurity region which are formed between a source region and a drain region,

wherein said channel forming region and said high concentration impurity region are formed under a gate electrode, and

wherein said low concentration impurity region has a region that overlaps with said gate electrode with a gate insulating film interposed therebetween, and a region that does not overlap with the gate electrode.

7. (Amended) A device according to claim 6, wherein said low concentration impurity region contains an element that belongs to group XV in the periodic table at a concentration of 2×10^{16} to 5×10^{19} atoms/cm³, and said high concentration impurity region contains the element at a concentration of 5×10^{19} to 3×10^{21} atoms/cm³.

8. (Amended) A device according to claim 6, wherein a thickness of the gate insulating film of a TFT in said driver circuit portion is thinner than that of the gate insulating film of the pixel TFT.

9. (Amended) A device according to claim 6, wherein the gate insulating film of a TFT in said driver circuit portion and a dielectric of a storage capacitor formed in said pixel portion comprise the same material and have the same film thickness.

10. (Amended) An electronic equipment comprising a display device according to claim 6, wherein said electronic equipment is selected from the group consisting of a video camera, a digital camera, a projector, a projection TV, a goggle type displays, a navigation system, a sound reproduction device, a notebook type personal computer, a game machine, a portable information terminal, a mobile computer, a portable telephone, a portable game machine, an electronic books, and an image reproduction devices having recording medium.

Please add new claims 15-20 as follows:

15. A display device having a pixel portion and a driver circuit portion on a substrate, said pixel portion comprising:

a semiconductor film having at least two channel forming regions, low concentration impurity regions, a source region, and a drain region; and

a gate electrode over at least over said two channel forming regions with a gate insulating film interposed therebetween,

wherein the low concentration impurity regions include a region that overlaps with the gate electrode.

16. A device according to claim 15, wherein a thickness of the gate insulating film of a thin film transistor in said driver circuit portion is thinner than that of the gate insulating film in the pixel portion.

17. An electronic equipment comprising a display device according to claim 15, wherein said electronic equipment is selected from the group consisting of a video

camera, a digital camera, a projector, a projection TV, a goggle type displays, a navigation system, a sound reproduction device, a notebook type personal computer, a game machine, a portable information terminal, a mobile computer, a portable telephone, a portable game machine, an electronic books, and an image reproduction devices having recording medium.

18. A display device having a pixel portion and a driver circuit portion on a substrate, said pixel portion comprising:

a semiconductor film having at least two channel forming regions, high concentration impurity regions formed between the channel forming regions, low concentration impurity regions, a source region, and a drain region; and

a gate electrode over at least over said two channel forming regions with a gate insulating film interposed therebetween,

wherein the low concentration impurity regions include a region that overlaps with the gate electrode.

19. A device according to claim 18, wherein a thickness of the gate insulating film of a thin film transistor in said driver circuit portion is thinner than that of the gate insulating film in the pixel portion.

20. An electronic equipment comprising a display device according to claim 18, wherein said electronic equipment is selected from the group consisting of a video camera, a digital camera, a projector, a projection TV, a goggle type displays, a navigation system, a sound reproduction device, a notebook type personal computer, a game machine, a portable information terminal, a mobile computer, a portable telephone, a portable game machine, an electronic books, and an image reproduction devices having recording medium.